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File 605/6

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 EXT BYND 6 YRS BY 5 AME  
 REASON 32 (3)

PROGRESS REPORT  
 FOR  
 MONTH OF AUGUST 1959

30 TO 1000 MC ANTENNA

DOC	<u>28</u>	REV DATE	<u>29 APR 1960</u>	BY	<u>018373</u>
ORIG COMP	<u>33</u>	OPI	<u>56</u>	TYPE	<u>03</u>
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JUST	<u>22</u>	NEXT REV	<u>2010</u>	AUTH: NR 10-2	

Purpose: To design, develop, and fabricate five antennas for a frequency range of 30-1000 mc. The antennas will be for outdoor use and be capable of being disassembled into 6 foot lengths or less.

Personnel: Electrical Engineers:   
 Mechanical Engineer:

25X1

Status: Investigation of planar structures on a scale model basis continued during the past month. Particular emphasis was placed on impedance work with the ultimate goal being elimination of the tapered line. Pattern measurements were made on several scale models for the purpose of determining an optimum set of design parameters.

Future Plans: Investigation will continue on a scale model basis for determination of the design parameters. It is anticipated that a set of parameters may be decided on this coming period such that the mechanical design may be started.

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